

REMARKS

Claims 3, 4 and 5 have been canceled.

Claims 1, 2 and 11 have been amended by specifying that the nucleic acids of the invention are present in Tables 1 or 2. In addition, the internet addresses have been deleted from these claims.

Claim 1 has been amended to require that the nucleotide sequence comprises a full length open reading frame. Support for this limitation can be found through out the Specification, for example on page 349, lines 8-11, page 462, lines 7-10, page 522, lines 9-12, etc.

Claim 1 has also been amended by replacing "40% sequence identity" with 85% sequence identity. Support for this amendment can be found in the Specification on page 806, line 15. Claim 1 has also been amended by replacing "40°C and 48°C" with "5°C to 10°C." Support for this amendment can be found in the Specification on page 830, lines 8-9. Original section (b) of claim 1 has been deleted and new section (d) has been added, support for this addition can be found in the Specification on page 827, line 22.

Claim 2 has been amended by replacing "65%" with "95%." Support for this amendment can be found in the Specification on page 827, lines 20-24.

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Claim 11 has been amended by deleting reference to 40%, or 75% or 90% sequence identity. The reference to "fragments thereof" has also been canceled.

No new matter has been added.

Entry of the above amendments and an early and favorable first action on the merits is earnestly solicited. Should the Examiner have any questions concerning this application, the Examiner is requested to contact the undersigned at 714-708-8555.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 50-1055 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

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In the event that Deposit Account No. 50-1055 has insufficient funds, the Commissioner is hereby authorized in this reply to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By

for Leonard R. Svensson, #30,330

P.O. Box 747

Falls Church, VA 22040-0747

(714) 708-8555

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